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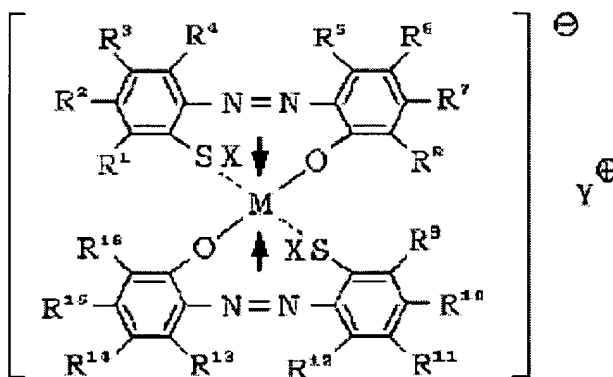
PHOTORECORDING MEDIUM

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Abstract of JP10006651

PROBLEM TO BE SOLVED: To provide a recording material for a CD-R medium which enables data recording and regeneration under an existing system and also enables the regeneration even under a next generation high density optical disk system by providing a recording layer containing at least, a kind of azo complex compounds expressed by a specific formula on a substrate. **SOLUTION:** A recording layer containing at least, a kind of azo complex compounds expressed by formula (wherein M is a divalent metal atom, a trivalent metal atom; X is an H atom, a methyl group; R<1> -R<16> are an H atom, a nitro group, a halogen atom, an amino group and a hydroxyl group; Y is an H atom, a metal ion and an ammonium ion) is formed on a substrate to form a photorecording medium. In addition, it is preferable to add an organic color with a maximum absorption wavelength of 680-750nm such as a cyanine color, phthalocyanine color or azo metal chelate color to the recording layer together with the azo complex compound. Further, it is preferable to form the recording layer which enables data recording using a laser beam with the absorption wavelength of 630-720nm.



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